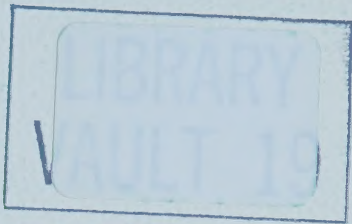
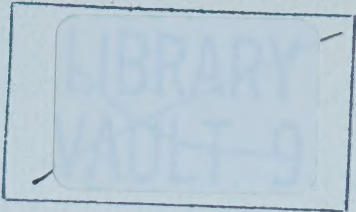


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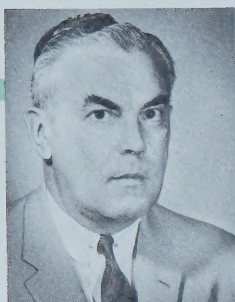


43RD ANNUAL REPORT
YEAR ENDING DECEMBER 31st, 1965

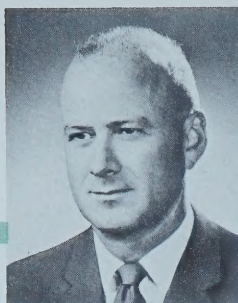


UNIVERSITY OF ALBERTA HOSPITAL • EDMONTON

52 YEARS OF PROGRESS



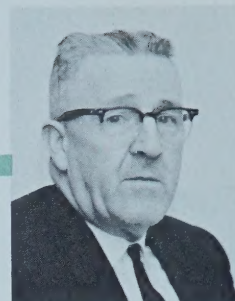
DR. W. JOHNS
President, University of Alberta



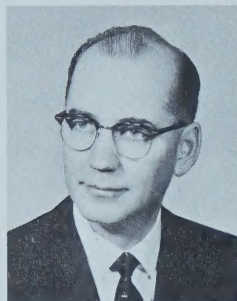
G. K. WYNN
Chairman



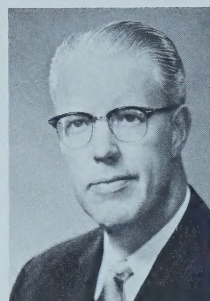
MRS. W. F. BOWKER



M. ROGER PARKER



E. A. CHRISTENSON



DR. W. C. MacKENZIE
Dean of Medicine



DR. J. E. YOUNG

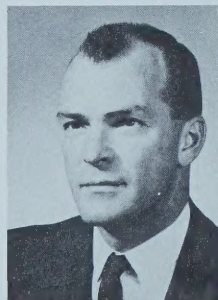


E. A. D. McCUAIG



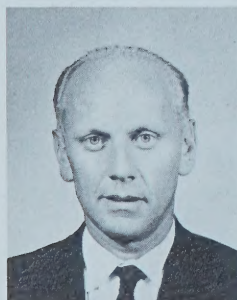
K. J. HAWKINS

UNIVERSITY OF ALBERTA HOSPITAL BOARD

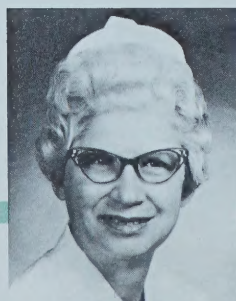


DR. J. D. WALLACE
Executive Director

UNIVERSITY HOSPITAL ADMINISTRATIVE COMMITTEE



DR. B. SNELL
*Medical Superintendent 1965
Executive Director
January, 1966*



MISS M. G. PURCELL
Director of Nursing



G. C. SHERWOOD
Business Administrator

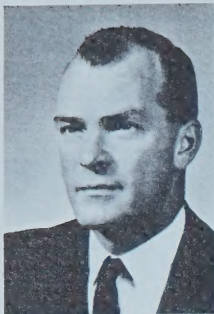


43RD ANNUAL REPORT



UNIVERSITY OF ALBERTA HOSPITAL • EDMONTON

52 YEARS OF PROGRESS



J. D. WALLACE, M.D.
Executive Director

REPORT OF THE EXECUTIVE DIRECTOR

Since the report of the Royal Commission on Health Services was published in 1964 it has become increasingly apparent that the facilities presently available in this country for the education of health service personnel are inadequate. A rapidly expanding interest in the development of a national medicare program has re-emphasized the fact that we must produce doctors, nurses and technical personnel in greatly increased numbers if we hope to meet the demands for service in the future. As a result 1965 has been a year of accelerated planning activity, and it could well go down in the history of the University Hospital as "the Year of the Big Decision".

Several years ago the University Hospital Board became aware of the need for expansion of the clinical education facilities provided for the medical school. With all of the third and fourth year students being taught in the hospital, and with increasing numbers of students entering the program, the lack of adequate teaching accommodation had become critical. By 1961 a large teaching auditorium had been approved and was almost ready to go to tender when it became the victim of a government austerity program and was cancelled. The Board at that time offered to assist in financing a consultant service to carry out long range planning of health facilities in the University area but the offer was not accepted.

Two years ago planning of a new clinical teaching building to be built adjacent to the hospital began in earnest, and it was agreed that the development of additional teaching facilities for the hospital would be co-ordinated with the proposed medical building. The site at that time was the lawn area in front of the Mewburn Pavilion, and as plans progressed it became obvious that there wasn't adequate space for the necessary buildings. A meeting of government, university and hospital representatives in August 1965 recommended a study of potential sites. This was carried out, and as a result approval in principle has been given to the development of a complete Health Sciences Centre with extension to the south of the present hospital. As it is now visualized this will include a new central services wing for the hospital, the clinical teaching or medical school building, a large ambulatory clinic area and a special service hospital. It is anticipated that at a later date accommodation will be provided for basic sciences, dentistry, pharmacy, nursing and the para-medical sciences. When all of this is completed Alberta will have one of the best health sciences centres on this continent.

In the meantime progress continues in the development of better patient care facilities in the present hospital complex. The renovation program in major ward areas is progressing on schedule and by early 1966 most services will be functioning in their own units once again. Less extensive renovations in other areas will continue, but they will not disrupt hospital operation to the degree that has been so painfully obvious over the past four years. The completion of the major renovations has resulted in a considerable improvement in the level of care available to our patients.

A number of improvements have been made in specific services in the hospital. The new cardiac recovery room went into service early in the year and provides excellent intensive care for the three or four patients a week who undergo open heart surgery. On the medical side the cardiologists have developed a cardiac resuscitation team operation that responds quickly to the "one-one-one" signal over the loudspeaker system. This has already resuscitated a number of patients who had suffered cardiac arrest and would otherwise have died.

This year for the first time the Administration was authorized to carry out several industrial engineering studies using outside consultants. By adopting sound engineering principles in a number of areas it is hoped that better

service can be provided with the staff and equipment available. During 1965 detailed studies were carried out in the Department of Radiology, the food service and the housekeeping service. The recommendations made by the consultants have been approved by the Board and are now being implemented. It now appears that the hospital will save many times the cost of the surveys as a result, and that patients and staff will enjoy better service.

Another major change has been the adoption of a new numbering system for our wards. Through the use of four digit numbers a patient may now be identified by nursing station, ward and bed. This will be very useful in the future as the hospital adopts a system of computerized control. We are now entering the field of automated data processing in an exploratory manner. Some clinical data is being processed at the University Computer Centre and the hospital payroll is being handled by the computer used by the provincial government. Increasing numbers of senior personnel are being exposed to courses involving hospital use of computers and it is hoped that before too long many procedures that are now carried out laboriously by hand will be handled electronically.

In the educational field we have expanded previously existing programs and have actively participated in new ones. As previously mentioned, we provide facilities for increasing numbers of medical students in their third and final years. We also continue to expand the numbers of interns and residents that receive post-graduate training in this hospital. The intake of the School of Nursing has been increased by nearly one-third during the past two years by allowing a number of senior students to live out of residence. We continue to work closely with the University in offering clinical experience to students in a number of health sciences, and we have developed a close relationship with the Northern Alberta Institute of Technology in the training of technicians. Our complement of student nursing aides has now been increased to twenty-five, and within the next year we hope to provide clinical experience for men attending a central school for nursing orderlies.

One of our less popular innovations during the year was the installation of parking meters and stricter parking control. This was made necessary by the overflow of cars from the university campus, and by the increasing commercial development of the Garneau area. The increase in parking charges in the area has resulted in the formation of car pools and in greater use of public transportation. This may delay the day when an expensive multi-level parkade will be needed to accommodate the staff and the public.

With this report I complete my service to the University Hospital in the capacity of Executive Director. It has been a challenging and rewarding four years, and as I look back I realize that in spite of the delays and frustrations that occurred at times we have come a long way together. As a patient-centred administrator I have been particularly pleased with the improvements that have been made in staffing patterns, facilities and equipment in the interests of good and safe care. I look back with satisfaction on the fact that we persisted with the health sciences centre idea even though at times it appeared to be doomed to failure. My sincere regret is that I won't be here to help that dream grow into reality.

Whatever success I have achieved during my term as Executive Director has resulted from the willing assistance and co-operation of many people at all levels in the organization. If I am as successful in my new appointment much of the credit will go to those of you who made my time here so rewarding. I am particularly grateful to the trustees who have served on the University Hospital Board during the past four years for placing their trust in me as a senior administrative officer, and to Dr. Snell, Miss Purcell and Mr. Sherwood who so capably assisted me in fulfilling that trust. I know that I leave the University Hospital in good hands, and that its future is bright.



DR. B. SNELL
Executive Director
1966

Medical Superintendent
1965

During the whole of 1965 the position of Executive Director was filled by Dr. J. D. Wallace. His report therefore precedes this one which will cover mainly the material usually contained in the report of the Medical Superintendent.

In this, my first report of the Executive Director, I would like to express my appreciation to the Board for the trust they have shown in appointing me to this position. No organization on earth is set up quite as illogically as a large teaching hospital. "Hospitals are motivated like a charity, operated like a business, regulated like a profession and governed like nothing else in our society." The thought of administering such an organization is both stimulating and challenging and I look forward to the years ahead with interest and enthusiasm.

In our continuing renovation program a number of areas of the hospital were renovated and brought up to modern standards during 1965. These included Nursery, Stations 14, 24, 34 and 65.

The Medical Staff has continued to be active in patient care and to an increasing degree in the fields of teaching and research. A large number of articles were published in the medical literature and papers were presented at scientific meetings. A copy of the list of these is available on application to the Medical Superintendent's office. The following appointments were made to the Medical Staff in 1965:

Department Heads

Dr. R. P. Beck, M.D., C.M. (Queen's); F.R.C.S.(C); M.R.C.O.G.; F.A.C.S.
Director, Department of Obstetrics & Gynaecology

Dr. F. McConnell, B.A. (B.C.); M.D. (Tor); L.M.C.C.; Cert. Diag. R.C.P.S.(C);
F.R.C.P.(C); Diag. Rad; Dip. Am. Bd.
Director, Department of Radiology

Division Heads

Dr. T. J. Speakman, M.D. (Man); M.Sc. (McGill); F.R.C.S.(C); D.A.B.
Head, Division of Neurosurgery

Active Staff

Dr. P. A. Bowen, M.D. (Tor); F.R.C.P.(C) Int. Med.—
Department of Paediatrics

Dr. G. Drummond, M.B.; CH.B. (Glas); Cert. R.C.P.S.(C)

Dr. Jessie K. M. Easton, M.D. (Alta); Cert. Phys. Med. & Rehab. R.C.P.S.(C)
Department of Physical Medicine and Rehabilitation

Dr. M. A. Emery, M.D.; C.M. (Alta); F.R.C.S.(C) Orthopedic Surgery—
Division of Orthopedic Surgery

Dr. A. Galanti, M.D., C.M. (Italy); L.M.C.C.; Cert. Diag. Rad. R.C.P.S.(C)—
Department of Radiology

Dr. J. W. Goodwin, M.D. (Tor); L.M.C.C.; F.R.C.S.(C) Obs. & Gyn.—
Department of Obstetrics & Gynaecology

Dr. D. T. R. Hassard, M.D. (Alta); F.R.C.S.(C) Ophthal.—
Division of Ophthalmology

Dr. J. R. Hill, M.D. (Sask); Cert. in Path. R.C.P.S.(C)—
Department of Clinical Laboratory Services

Dr. B. W. Mielke, M.D. (Alta); F.R.C.P.S.(C) Path.
Department of Pathology

Dr. D. O. C. Rapier, M.B., Ch.B. (Edin); Cert. in Psych. R.C.P.S.(C) and
Alberta—Department of Psychiatry

Outdoor Staff

Dr. John Urschel, M.D. (West. Ont); M.Sc. (Alta)
Department of Psychiatry

Scientific & Research Associates

Dr. Catherine Lee, M.B.

Dr. S. Usiskin, B.Sc. (Man); Ph.D. (B.C.)

Dr. T. E. Weckowicz, Ph.D.

Six members of the Medical Staff resigned during the year to take up appointments elsewhere in Canada. These are:

Dr. K. A. Swallow—Department of Paediatrics

Dr. W. M. Paul—Director, Department of Obstetrics & Gynaecology

Dr. H. E. Duggan—Director, Department of Radiology

Dr. E. J. K. Penikett—Head, Division of Microbiology

Dr. C. R. Castaldi—Department of Dentistry

Dr. D. G. Macgregor—Department of Dentistry

I regret to report the death of Dr. A. R. Munroe, one of the earliest members of our medical staff, who was Director of our Department of Surgery and Professor of Surgery from 1929 to 1939.

The Internship and Graduate Training Programs have continued to expand to meet the needs of the province for general practitioners and medical specialists. In 1965 our House Staff numbered one hundred and twenty-four, distributed as follows:

Graduates of Medical Schools in Canada	88
Graduates of Medical Schools in Great Britain, New Zealand and Australia	16
Graduates of Medical Schools in the United States	2
Graduates of Medical Schools in other Commonwealth and Foreign Countries	18

During the year, twenty doctors who have taken part or all of their graduate training in this hospital, passed the specialty examination of the Royal College of Physicians and Surgeons of Canada. These were distributed as follows:

	Certification	Fellowship
Anaesthesia -----	1	
Internal Medicine -----	2	4
Paediatrics -----	1	1
Pathology -----	1	1
Psychiatry -----	1	
General Surgery -----	2	1
Obstetrics & Gynaecology --	1	
Ophthalmology -----	2	
Cardiovascular and Thoracic Surgery -----		1
Orthopedic Surgery -----		1
	11	9

The Women's Auxiliary continued to contribute volunteer help to the hospital in many areas and I would be remiss if I failed to register the appreciation of the hospital staff and patients for these services.

I have taken over the direction of the University of Alberta Hospital at a time when the future of the hospital appears to be very bright. I would like to express my appreciation to the members of the Board and to the other members of the Administration, the Medical Staff, Department Heads and staff for the support they have given to me in the past year. I know that they will continue to work enthusiastically to develop an outstanding health sciences centre in Edmonton.

BUSINESS ADMINISTRATION



MR. G. C. SHERWOOD
Business Administrator



MR. C. PEPPLER
Asst. Bus. Administrator



MR. J. R. ELLISON
Comptroller



MR. A. BUYSEN
Superintendent
of Buildings



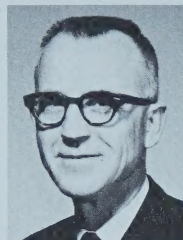
MR. J. PEDDEN
Personnel Officer



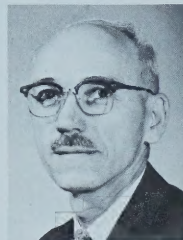
MR. D. SCHNEIDER
Laundry Manager



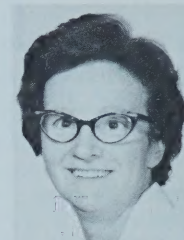
MR. S. WOOD
Accountant



MR. T. HUGHES
Credit Manager



MR. J. D. BEATON
Purchasing Agent



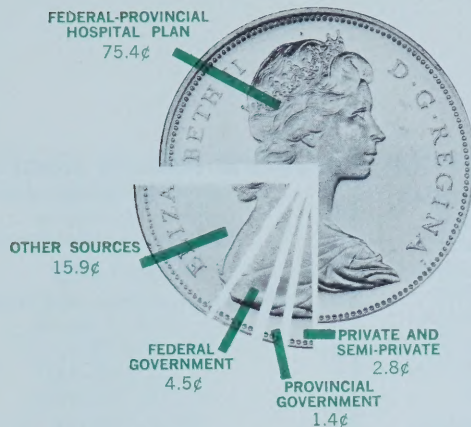
MRS. M. MACDONALD
Acting Director—
Housekeeping Services

PERSONNEL MOVEMENT

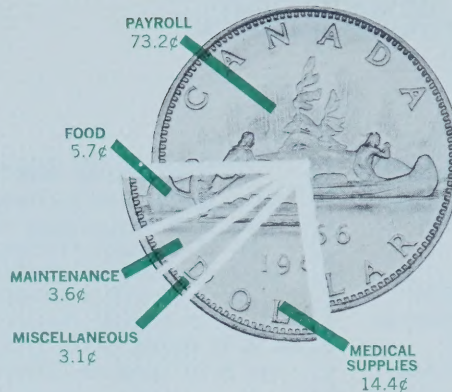
	Establishment—1965		Separations—1965		
	Full Time	Part Time	Full Time	Temp.	Part Time
Administration	93	10	45	14	6
Nursing Officers & Charge Nurses	152	1	37	2	—
Graduate Nurses	294	10	227	25	44
Certified Nursing Aides	164	—	87	5	1
Ward Aides	101	—	85	4	—
Nursing Orderlies	102	1	35	28	—
Ward Clerks & Stenos	31	3	10	2	2
Nurses' Residence & Interns' Quarters	28	1	2	4	—
Medical Records	33	1	14	6	2
Medical Directors	1	7	1	—	—
Anaesthesia	4	—	—	—	—
Clinical Laboratory & Research	140	25	92	11	3
Inhalation Therapy	6	—	—	—	—
Pharmacy	16	—	11	—	1
Orthopaedics	3	—	1	—	—
Ophthalmology	1	—	—	—	—
Psychiatry	7	—	5	1	—
Rehabilitation	47	1	38	4	—
Medical Social Service	11	—	4	1	—
X-ray	44	—	18	3	1
Dietary	140	14	133	5	42
Housekeeping	97	—	67	7	—
Janitors	47	—	24	8	—
Linen Service	75	—	42	5	—
Maintenance	46	1	13	5	1
	1,683	75	991	140	103

FINANCES

WHERE OUR DOLLAR COMES FROM



WHERE OUR DOLLAR GOES



OUR MAIN SOURCES OF INCOME

	1965		1964	
	DOLLARS	%	DOLLARS	%
Alberta Hospitalization Benefits Plan	7,370,000.00	75.40	6,343,000.00	71.91
Federal Government on behalf of D.V.A. and D.N.D. Patients	441,500.00	4.51	538,000.00	6.10
Private and Semi-Private differential	266,400.00	2.73	238,000.00	2.70
Provincial Government—direct hospitalization payments	138,400.00	1.42	164,650.00	1.86
Other Sources—W.C.B., Blue Cross, Private Insurance, Non-Residents	1,557,700.00	15.94	1,537,450.00	17.43
	9,774,000.00	100.00	8,821,100.00	100.00

OUR PRINCIPAL EXPENSES

	1965	1964
	DOLLARS	DOLLARS
Payroll	7,154,100.00	6,376,100.00
Food & Dietary Supplies	561,000.00	540,350.00
Medical Supplies	1,405,300.00	1,288,150.00
Plant Maintenance—excluding depreciation	351,600.00	350,000.00
All Others	302,000.00	266,500.00
	9,774,000.00	8,821,100.00

OUR PRINCIPAL ASSETS

Cash on Hand and in Bank	1,182,800.00
Inventories	420,000.00
Accounts Receivable—less provision for doubtful accounts	925,600.00
Plant Funds—including land, buildings, equipment & receivables	20,741,500.00

CURRENT LIABILITIES

Trade Accounts—Salaries, Wages Due	392,500.00
Deferred Income	610,000.00

SOURCES OF CAPITAL FUNDS

Province of Alberta	12,290,700.00
University Hospital	1,760,800.00
Federal Government	687,000.00
Federal-Provincial Plan	6,003,000.00
Debenture Debt	567,300.00



DR. T. J. SPEAKMAN
President, Medical Staff

MEDICAL

DEPARTMENT OF MEDICINE

Director, Dr. D. R. Wilson

Head of Division

- Dr. R. S. Fraser—Cardiology
- Dr. B. J. Sproule—Chest Disease & Pulmonary Function
- Dr. P. L. Rentiers—Dermatology
- Dr. L. E. McLeod—Endocrinology & Metabolism
- Dr. D. R. Wilson—Internal Medicine
- Dr. G. Monckton—Neurology

Active Staff

- Dr. David M. Bell
- Dr. Gordon I. Bell
- Dr. G. D. Brown
- Dr. E. F. Donald
- Dr. J. Dvorkin
- Dr. A. M. Edwards
- Dr. J. Frank Elliott
- Dr. R. S. Fraser
- Dr. J. A. L. Gilbert
- Dr. S. E. Greenhill
- Dr. F. A. Herbert
- Dr. J. R. Hilliard
- Dr. E. G. Kidd
- Dr. A. S. Little
- Dr. L. E. McLeod
- Dr. W. A. Mahon
- Dr. G. Monckton
- Dr. P. L. Rentiers
- Dr. F. B. Rodman
- Dr. R. E. Rossall
- Dr. R. W. Sherbaniuk
- Dr. B. J. Sproule
- Dr. R. K. Thomson
- Dr. R. H. Wensel
- Dr. D. R. Wilson

Emeritus Staff

- Dr. M. M. Cantor
- Dr. K. A. Hamilton
- Dr. J. W. Scott
- Dr. P. H. Sprague

Courtesy Staff

- Dr. T. H. Aaron
- Dr. A. Cairns
- Dr. W. R. St. Clair
- Dr. R. H. Whiting
- Dr. M. K. Young

Consulting Staff

- Dr. J. A. Aylesworth (Tuberculosis)
- Dr. G. H. Ball (Public Health)
- Dr. W. J. Downs (Tuberculosis)
- Dr. J. C. McPherson (Tuberculosis)
- Dr. J. W. Pearce (Physiology)
- Dr. F. G. Ramsay (Admin.-D.V.A.)
- Dr. E. S. Orford Smith (Public Health)
- Dr. H. H. Stephens (Tuberculosis)

Honorary Staff

- Dr. G. R. Davison (Tuberculosis)
- Dr. G. M. Little (Public Health)
- Dr. A. C. McGugan (Public Health & Admin.)
- Dr. R. M. Shaw (Medicine)

DEPARTMENT OF SURGERY

Director, Dr. R. A. L. Macbeth

Head of Division

- Dr. R. A. L. Macbeth—General Surgery
- Dr. T. J. Speakman—Neurosurgery
- Dr. T. A. S. Boyd—Ophthalmology
- Dr. O. Rostrup—Orthopaedic Surgery
- Dr. K. A. C. Clarke—Otolaryngology
- Dr. J. D. M. Alton—Plastic Surgery
- Dr. J. C. Callaghan—Thoracic & Cardiac Surgery
- Dr. J. O. Metcalfe—Urology

Active Staff

Division of General Surgery

- Dr. R. C. Harrison
- Dr. R. J. Johnston
- Dr. S. Kling
- Dr. R. A. L. Macbeth
- Dr. A. B. McCarten
- Dr. W. C. MacKenzie
- Dr. B. Michalyszyn
- Dr. H. T. G. Williams
- Dr. G. L. Willox
- Dr. T. S. Wilson

Division of Neurosurgery

- Dr. P. B. R. Allen
- Dr. G. K. Morton
- Dr. T. J. Speakman

Division of Otolaryngology

- Dr. K. A. C. Clarke
- Dr. P. T. Quinlan
- Dr. T. C. Wilson

Division of Ophthalmology

- Dr. T. A. S. Boyd
- Dr. T. R. Hassard
- Dr. D. L. Rees

Division of Thoracic & Cardiac Surgery

- Dr. J. C. Callaghan
- Dr. C. M. Couves
- Dr. C. S. Dafoe
- Dr. C. A. Ross

Division of Orthopaedic Surgery

- Dr. G. W. Cameron
- Dr. M. A. Emery
- Dr. J. R. Huckell
- Dr. D. C. Johnston
- Dr. O. Rostrup
- Dr. G. L. Wilson

Division of Urology

- Dr. R. R. Francis
- Dr. W. H. Lakey
- Dr. J. O. Metcalfe

Division of Plastic Surgery

- Dr. J. D. M. Alton
- Dr. E. Hitchin
- Dr. H. Shimizu

Emeritus Staff

- Dr. R. L. Anderson (General Surgery)
- Dr. W. S. S. Armstrong (Otolaryngology)
- Dr. R. G. Huckell (Orthopaedic Surgery)
- Dr. M. R. Marshall (Ophthalmology)

Courtesy Staff

- Dr. E. S. Allin (General Surgery)
- Dr. W. S. Anderson (General Surgery)
- Dr. F. D. Conroy (Urology)
- Dr. F. G. Day (Orthopaedic Surgery)
- Dr. E. F. Foy (Ophthalmology)
- Dr. W. F. M. Hall (General Surgery)
- Dr. A. W. Hardy (General Surgery)
- Dr. R. S. Henderson (Orthopaedic Surgery)
- Dr. H. A. Hyde (General Surgery)
- Dr. W. A. Maclean (General Surgery)
- Dr. B. D. Margolus (General Surgery)
- Dr. H. Meltzer (Thoracic & Cardiac Surgery)
- Dr. J. P. Moreau (Orthopaedic Surgery)
- Dr. R. F. Nicholls (Ophthalmology & Otorhinolaryngology)
- Dr. H. L. Richard (General Surgery)
- Dr. W. A. Strutz (General Surgery)
- Dr. N. W. Woywitka (Ophthalmology)

Consulting Staff

- Dr. K. Kowalewski (Experimental Surgery)

Honorary Staff

- Dr. N. E. Alexander (General Surgery)
- Dr. H. H. Hepburn (Neurosurgery)
- Dr. R. G. Townsend (Orthopaedic Surgery)

STAFF

D. R. WILSON
Chairman,
Medical Advisory Board



DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Director, Dr. R. P. Beck

Active Staff

Dr. J. S. Barr
Dr. R. P. Beck
Dr. Donald M. Bell
Dr. L. B. Brown
Dr. J. Bugis
Dr. R. A. Day
Dr. J. W. Goodwin
Dr. W. F. Ferguson
Dr. W. Douglas Frew
Dr. R. H. Horner
Dr. Margaret M. Hutton
Dr. T. R. Nelson
Dr. D. W. J. Reid
Dr. D. C. Ritchie
Dr. J. R. Vant
Dr. Y. Yoneda

Emeritus Staff

Dr. Allan Day

Courtesy Staff

Dr. T. R. Clarke
Dr. R. J. Ostolosky
Dr. S. S. Parlee
Dr. E. B. Quehl

DEPARTMENT OF PAEDIATRICS

Director, Dr. J. K. Martin

Active Staff

Dr. H. B. Armstrong
Dr. J. Calder
Dr. P. Bowen
Dr. N. F. Duncan
Dr. L. C. Grisdale
Dr. J. K. Martin
Dr. W. C. Taylor
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**The Executive Director and Business Administrator are also members of this committee.*

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McGregor, J. A.

Miller, H. W. G.

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Clegg, O. M.

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Soremekun, S. O. A.

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The renovation program throughout the year has created heavy demands on hospital beds, but the ward system has enabled us to carry on without serious inconvenience to the public. After several years of constantly shifting allocations of wards and staff, we can now look forward to completion of this work. The ratio of staff to beds has now reached the point where further increases in staff to meet rising demands of teaching at all levels cannot be entertained without a further increase in the bed complement for this department. The prospect of the new specialty unit building may offer some relief along with the anticipated changes in the Colonel Mewburn Pavilion.

It was with regret during the past year that the department had to accept the resignation of Dr. Adam Little as Head of the Out-patient Department. During the years he has made many valuable contributions, not only to the department but to the hospital as well. Under his direction the Out-patient Department has grown to the point where the physical facilities, completed not too many years ago, are now being utilized to the maximum. He is succeeded by Dr. L. C. Grisdale, who in addition to the Out-patient Department, will assume responsibility for the development of the new venture in ambulatory care.

Clinical activity in the Division of Cardiology continues to grow and expand. Dr. R. S. Fraser relinquished his consulting practice during the year to devote his time to the study of computer methods as they relate to clinical medicine, with special interest in their application to cardiology. His place in clinical cardiology has been taken by Dr. Simon K. Lee who came to us from the Karolinska Institute, Stockholm, Sweden. Dr. Lee will continue his studies on the work capacity of the heart in patients afflicted with various types of heart disease. In the field of cardiac catheterization there has been a 15% increase in the number of cases being referred. During the year a special cardiac resuscitation team has been developed under the direction of Dr. Russell Taylor. As part of the educational program a large number of residents and nurses have been trained in cardiac resuscitation methods. Since the institution of this unit, over one hundred patients have been treated. In support of this program, mobile treatment wagons are now located strategically throughout the hospital. The long range follow up of post-operative open heart cases continues which now involves all patients so treated since 1953. Financial support for this work has been provided by the Heart Foundation. During the year the division has assumed more direct responsibility for electrocardiography. All E.C.G. tracings in the hospital are now being interpreted by five qualified physicians. This new arrangement has made possible the institution of an organized teaching program in this area for both undergraduate and graduate students.

During 1965 Dr. Taiichi Nehei, a well qualified biochemist joined the Division of Neurology, in a full-time research capacity to pursue studies in protein chemistry as related to muscle disease. He is being supported by the Muscular Dystrophy Association of Canada. The results of work carried out in this field have been reported at international meetings, both in this country and in Europe. Dr. Harold Jacobs, a well qualified neurologist joined the division during the year. He has an interest in electronics as applied to neurology.

The clinical service load in the Division of Pulmonary Disease continues to grow. In the field of inhalation therapy this has necessitated a 25% increase in the therapist staff. Dr. F. A. Herbert has assumed responsibility for the care of long-stay patients in the poliomyelitis ward. A closer relation with the Faculty of Physical Education has been established with the appointment of Dr. P. Paez as an Assistant Professor in that Faculty. Collaborative studies in the physiology of exercise are being carried out. Dr. Arthur Macneil is carrying on a year of postgraduate study toward his M.Sc. degree.

In the Division of Endocrinology and Renal Disease newer and more refined methods for measuring adrenal function have been developed. The treatment program for patients with chronic renal disease has been expanded. Research in the field of thyroid physiology continues under the direction of Dr. David Fawcett.

The Department is particularly pleased to welcome Miss S. Livingstone as our new Operating Room Supervisor. In the few months that she has been with us she has gained the respect and gratitude of the surgical staff as an exceptionally competent administrator.

The service rendered in virtually every area has increased appreciably over the preceding year. During the year 1965 discharges from all surgical divisions totalled 10,777, an increase of 4.4% over the discharges of the previous year. This figure appears all the more remarkable in view of the continued bed shortage and must be assumed to be due largely to the effective operation of the ward system. The Operating Room has also shown an increase of significance in the number of operations performed. The total number of surgical cases in 1965 was 11,432, an increase of 2% over 1964. The total hours of operating amounted to 14,857, an increase of 3.2% over the figure of the previous year. The total cystoscopic procedures numbered a phenomenal 6,295, an increase of 15% over the 1964 figure.

The Division of Orthopaedic Surgery, under the direction of Doctor O. Rostrup, reports that discharges from the division number 2,016, an increase of 5.6% over the previous year. Orthopaedic operations numbered 1,645. Total visits to the Orthopaedic

MEDICINE



D.R. WILSON, M.D.
Director

SURGERY



DR. R. A. MACBETH
*Director,
Department of Surgery*

Out-Patient Department recorded at 1,131 visits, an increase of 16% as compared with 1964. Geographic considerations have made utilization of the Glenrose Hospital somewhat disappointing from the standpoint of the University of Alberta Hospital surgical staff but it is hoped that with the passage of time a further increase in the utilization of the convalescent facilities at this hospital will permit a steady growth in a number of active Orthopaedic patients treated each year in the University of Alberta Hospital. Two very active special clinics continue to be directed by the Division of Orthopaedic Surgery. The Rheumatoid Hand Clinic under Doctor Gordon Wilson continues to provide an outstanding consultant service. The Juvenile Amputee Clinic expanded during the year to such an extent that a division of the clinic has now been set up in Calgary under the direction of Doctor J. Bazant, one of our own graduate trainees.

The Division of Neurosurgery, under the Acting Directorship of Doctor T. J. Speakman, reports a particularly active year. Discharges numbered 870, an increase of 4.6% over the previous year. Neurosurgical operative procedures numbered 580, a startling increase of 28% over the figure recorded for 1964. In his Divisional report, Doctor Speakman justifiably pays tribute to Doctor J. D. R. Miller of the Department of Radiology for the excellence of the Neuroradiological procedures made available to our Division of Neurosurgery. The increase in Neurosurgical-Neurological radiological diagnostic procedures has been phenomenal. In 1963, 862 such procedures were carried out while in 1965 this figure had virtually doubled at 1,643. During the year an Echoencephalogram was added to the diagnostic armamentarium of the Division of Neurosurgery and is receiving widespread and enthusiastic application.

The Division of Urology, under Doctor J. O. Metcalfe, reports that discharges during the year 1965 number 1,381, an increase of 8% over 1964 while operating room procedures numbered 439. In the Cystoscopic Unit 6,295 procedures were carried out, an increase of 15% over the figure for 1964. These figures certainly lend support to Doctor Metcalfe's insistence that the Cystoscopic Unit is in urgent need of expansion. During 1964, gas sterilization of all Urological instruments and material has been perfected fully justifying the capital expenditure necessary to introduce this practice. In the field of kidney transplantation, much basic work has now been accomplished by members of the Division of Urology in the Surgical-Medical Research Institute and it is planned to bring kidney transplantation out of the laboratory into the hospital in the near future.

The Division of Thoracic and Cardiovascular Surgery, under the direction of Doctor J. C. Callaghan, manifests the same increase in patient service that was consistently observed during the year in all surgical divisions. Discharges during 1965 numbered 860, an increase of 10% over the 1964 figure. Operations for 1965 numbered 1,040, an increase of 5% over the previous year. Open heart procedures reached a new high figure at 132, an increase of 8% over 1964. In highlighting the year's achievement, Doctor Callaghan draws attention to the tremendous drop in mortality in acquired heart disease requiring valve replacement. Representative of this trend were the 33 patients subjected to aortic valve replacement in 1965 with one death. This represents a mortality of 3% as compared with a mortality of 28% in 1964 and 40% in 1963. Interesting developments during 1965 included a greater interest in and performance of myocardial revascularization procedures and the increased use of vein grafts in selected cases of peripheral arterial bypass.

The Division of Ophthalmology under Doctor T. A. S. Boyd reports 942 discharges from their service during 1965. Operations during the year numbered 975, an increase of 3% over the preceding year. Total out-patient visits to the Ophthalmology Clinic amounted to 1,231 during 1965. The Glaucoma Clinic and the Orthoptic Clinic both continue to be extremely active consulting services, their success due, almost exclusively, to the personal devotion of Doctor Boyd. In the Glaucoma Clinic the patients numbered 1,204 in 1965, an increase of 23% over the 1964 figure. The total number of visits to the clinic during 1965 numbered 4,187. During 1965 Doctor D. T. R. Hassard returned after a leave of absence in Washington, D.C. During the year, Doctor Hassard has been active in establishing an Eye Bank at the University of Alberta Hospital and already the results of his labours in relation to Corneal Transplantation are beginning to be apparent.

The Division of Rhino-Otolaryngology, under Doctor K. A. C. Clarke, is one of the few divisions that records a decrease in patient service provided during 1965. Discharges in this Division numbered 1,020, a decrease of 15% over that of the previous year and the same was true of the operations performed at 1,010. In the Out-Patient area however, substantial increases were recorded. A total of 955 visits are reported for 1965, an increase of 36% over those of the previous year. The pre-school Deaf Clinic continues to be active although figures for attendance during 1965 were not available at the time of submitting this report.

The Division of Plastic Surgery, under Doctor J. D. M. Alton, is our youngest surgical division having been created in April of 1964. The growth of the Division has, however, been nothing short of phenomenal. Discharges in 1965 numbered 657, an increase of 53% over 1964. Operative procedures performed in 1965 numbered 819, an increase of 8% over the previous year. Members of the Division continue to make a major contribution to the operation of the Cleft Palate Clinic. Doctor Alton represented the Department at the Second International Congress for Research in Burns held in Edinburgh, Scotland in September of 1965. This year for the first time a Plastic Surgery Out-Patient Clinic was established, 54 patients being seen during the year. It is a pleasure to report that the University of Alberta Hospital is one of only 5 hospitals in Canada, 1 in Toronto and 3 in Montreal, which has received approval by the Royal College of Physicians and Surgeons of Canada for full training in Plastic Surgery.

The Division of General Surgery recorded 3,031 discharges during 1965, an increase of 3.6% over the previous year. Operations numbered 2,911, an increase of 14% over the 1964 figure. One thousand, seven hundred and fourteen patients were seen in the General Surgical Out-Patient Clinic during 1965, a figure which is comparable to that in 1964.

The Peripheral Vascular Clinic, although hampered by space in our existing Out-Patient Department, continues to offer a valuable service to the people of this province. A total of 102 new patients were seen at the Clinic during 1965, a modest increase over the 1964 figure. In addition there were 268 return visits, a figure almost identical with that recorded in 1964. It is hoped that further expansion of this clinic will be possible once the new Ambulatory Care facility becomes available.

The intensive Study Course in General Surgery originated 4 years ago by Doctor H. T. G. Williams in order to assist members of our Graduate Training Programme in their preparation for the examinations of the Royal College of Physicians and Surgeons of Canada has continued on a twice weekly basis and is extremely well accepted. A somewhat similar course was introduced by the Division of Orthopaedic Surgery 2 years ago and during 1965 the Divisions of Neurosurgery and Thoracic and Cardiovascular Surgery have introduced formal graduate training courses for their resident trainees. A number of young surgeons who took a part or the whole of their surgical training at the University of Alberta Hospital were successful in obtaining their Fellowship in the Royal College of Physicians and Surgeons of Canada in the fall of 1965. It is a privilege to record their names and congratulate them at this time. General Surgery—Doctor Erwin Letwin and Doctor Walter Williams Yakimets; Thoracic and Cardiovascular Surgery—Doctor Samavedan Rangachari; Orthopaedic Surgery—Doctor Jack Alfred Ordman; and in Urology—Doctor Howard Charles Ramage. Doctor Kenneth Wiancko and Doctor Gerald Francis also received their Fellowship in the Division of General Surgery at that time.

It is a privilege at this time to again record the indebtedness of the entire Department to our hard working committee on Surgical Infections composed of Doctor T. S. Wilson and Doctor R. D. Stuart. Their constant vigilance has done much to maintain our enviable record with respect to surgical infections.

No attempt has been made in this report to record the many scientific contributions of the individual members of the Department throughout the year. Their activity is however attested to by the 28 papers published in scientific journals, 70 papers presented at various scientific meetings and the \$153,860.75 which they received from various granting bodies to support the 32 research projects under active investigation within the department during the past year.

Our Long Range Planning has caused us to take a serious look at our surgical divisions and a gap between our existing facilities and those that one should reasonably anticipate finding in a first class university hospital is now apparent. The result has been, on the one hand, enthusiastic planning for the new Specialty Unit Complex, while on the other, it has introduced a realization that some interim improvement in physical facilities is urgently needed.

In July, 1965, Dr. William Paul resigned from his position as Director of the Department of Obstetrics and Gynaecology at the University of Alberta Hospital, and his professional position at the University of Alberta, to assume a similar role at the Toronto General Hospital and the University of Toronto. His greatest contributions were in the form of reorganizing the undergraduate and postgraduate teaching programs, and encouraging and developing a research atmosphere in the department. Under his guidance, Dr. James Goodwin, Dr. David Reid and Dr. Richard Day have developed research interests in the department, which we hope will continue.

In December, 1965, a new record system was introduced on the obstetrical service for private and O.P.D. patients, to provide more accurate statistical information. Dr. Y. Yoneda, in particular, is to be congratulated for the hard work and organization that went into this large undertaking.

Dr. David Reid and Dr. Richard Day are continuing their electromyographic, uterine pressure and fetal heart rate studies in collaboration with Dr. William Mahon. Dr. James Goodwin is continuing his fetal cardiac output and placental flow studies in the lamb, and, in addition, has started in vitro placental perfusion studies. A unit for studying and investigating patients with urinary incontinence was established in the fall of 1965 on Station 62. Plans were made for the development of a reproductive physiology center, to be directed by Dr. Amir Ansari, recently arrived from Montreal. It was planned to open this latter unit in early 1966.

The department was honored by the visit of Professor Ian Donald, Head of the Department of Midwifery, University of Glasgow, Queen Mother's Hospital, Glasgow, Scotland, September 27th, 28th and 29th, 1965. Professor Donald was here as the Sandoz Lecturer. While in the department, Mr. Donald contributed greatly to the undergraduate and postgraduate teaching.

OBSTETRICS AND GYNAECOLOGY



R. P. BECK, M.D.,
Professor and Head.

There has been an overall increase in the surgical activity in the department as a result of an increase in the number of minor surgical procedures carried out. The number of admissions to Gynaecology is actually less than the total number of operative procedures, and this is accounted for by the fact that many patients have a gynaecological procedure without being transferred to the gynaecology service, and also by the fact that many patients have a minor and major procedure during the same admission to hospital.

The total number of obstetrical admissions and deliveries is down slightly from 1964. This decline in activity is explained by the widespread use of contraceptive pills and intrauterine devices.

The outpatient activity in the department has shown a steady increase in both Obstetrics and Gynaecology.

The prenatal class activity has shown a 20 per cent increase in registrations and Miss Margaret MacDonald, Mrs. L. Sharpe and Dr. Douglas Frew are congratulated for developing this service to expectant mothers in Edmonton.

The perinatal death rate of infants, weighing 1000 gms. and more, was 14.574 for 1965. This figure compares very favorably with perinatal death figures across the country, and is lower than the 1964 perinatal death rate in this hospital, which was 15.679.

In 1965, there were 1352 spontaneous vaginal deliveries and 802 forcep vaginal deliveries. There were 93 caesarean sections, 50 of which were repeat caesarean sections. The caesarean section rate was 4.1 per cent. It is generally considered that the optimal caesarean section rate should be between 4 and 5 per cent.

The total number of infants delivered was 2279. In 96.71 per cent of cases, the infant was a vertex or a sinciput presentation.

The maternal morbidity in the obstetrical department was 2.9 per cent. The American Medical Association considers a maternal morbidity of less than 4.5 per cent, an indication of good obstetrical practice.

There was one maternal mortality. This patient died at 32 weeks gestation in acute pulmonary edema, superimposed on lobar pneumonia and chronic pulmonary congestion. The patient had previously had a mitral valve replacement in 1964.

The infection rate in the newborn nursery remains low (56 newborn infections in 2261 livebirths). This reflects the excellence of the technique by the nursery room staff, and also the activity of our Infections Officer, Dr. R. H. Horner.

OBSTETRICS

Year	Admissions	Deliveries	Total Babies	Multiple Births
1961	2490	2211	2241	30 pr. twins
1962	2588	2342	2362	20 pr. twins
1963	2559	2324	2352	28 pr. twins
1964	2412	2272	2298	24 pr. twins 1 set of triplets
1965	2726	2247	2279	30 pr. twins 1 set of triplets

OBSTETRICS

1965

Total Babies	2247
Vaginal Deliveries	2154
Abdominal Deliveries	93

GYNAECOLOGY

Year	Admissions	Surgery
1961	1726	1675
1962	1651	1600
1963	1892	1744
1964	2017	1753
1965	1728	1768

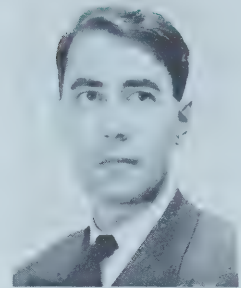
OUT PATIENT DEPARTMENT

	1961	1962	1963	1964	1965
Obstetrics					
Prenatal clinic visits	1879	1955	1893	2059	2228
Admissions	322	342	364	371	383
Deliveries	249	263	261	281	300
Gynaecology					
Clinic visits	692	1124	1406	1432	1555
Admissions	148	159	184	158	161

PRENATAL CLASSES

	1961	1962	1963	1964	1965
Total Registrations	187	255	213	182	225

PAEDIATRICS



J. K. MARTIN, M.D.
Director

It has always been considered important for the staff of a university department such as this, to participate in community health services, and indeed to offer some leadership in helping to initiate such services. Members of this Department contributed to the work of many special clinics, which are partly financed through the Federal Health Grants. The staff also played an active role at the Glenrose Provincial School Hospital, in the Poison Control Services for the Province, Well-Baby Clinics, and the Alberta Council for Crippled Children and Adults. Further contributions to community services were made through public addresses. To allow greater freedom of enterprise and concentration of many scientific disciplines in a given field of research, funds should be collected to endow a Chair of Paediatric Research. Such a community effort gives the community a more personal interest and pride in an institution which is at present financed entirely from government funds.

The following changes in staff occurred during the year. Dr. K. A. Swallow resigned to assume an important position at Johns Hopkins. Dr. R. Gobius has left paediatric practice in the City to work under W.H.O. auspices in New Guinea. Dr. L. C. Grisdale is to be congratulated on his appointment to Director of Ambulatory Care at this Hospital. The Department has welcomed Dr. Lois A. Stayura and Dr. C. S. N. Lee to the full-time staff — the former on the clinical staff, and the latter as a Medical Research Council Associate in Genetics. Drs. P. F. Wilcock and D. R. Shea have returned to the City in paediatric practice, and are on staff at this Hospital. Drs. P. F. Wilcock and G. W. Selby successfully obtained their Fellowship in Paediatrics and Dr. R. Chen, the new Teaching Fellow at the Royal Alexandra Hospital, his Specialist Certification. Dr. A. R. Stewart has assumed the position of Teaching Fellow at this Hospital. New Residents appointed during the year included Drs. I. C. Singh, A. B. Jones and C. Zalesky.

With the renovation and opening of Station 33, all paediatric patients are on one floor. Adequate classrooms staffed by the City of Edmonton Public School Board have been provided. We welcome Mrs. E. J. Sigsworth as the new Co-ordinator of Recreational Activities, and Mrs. J. Zelech as Paediatric Supervisor. Miss M. Cawsey after many years of devoted work in the latter position, has entered the degree programme of the University of Alberta School of Nursing.

Visitors to the Department during the year included Dr. R. A. Good, University of Minnesota; Dr. W. A. Cochrane, Dalhousie University; Dr. C. O. Carter, Hospital For Sick Children, London; Professor R. A. McCance, University of Cambridge.

A considerable number of papers were presented and published, Research projects were carried out and honors were received by a number of the staff.

CHILD HEALTH PROGRAMME

Number of children registered Dec. 1/64 to Dec. 31/65	196
Number of children attending throughout the year	336
Number of children discharged	96
Number of children attending as of Dec. 31/65	240
Total number of complete examinations	196
Total number of revisit complete examinations	163
Total number of examinations by doctor	359

SPECIAL CLINICS

Pre-School Deaf Clinic

Total of new patients	29
Total of pending new patients	12
Total of review patients	33
Total of pending review patients	30

Cleft Palate Clinic

Total of new patients	17 out of a possible 22
Total of pending new patients	6
Total of review patients	16 out of a possible 25
Total of pending review patients	21

PAEDIATRIC WARDS

Total of hospital admissions	3,319
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PAEDIATRIC OUT-PATIENTS

Total of patient visits	3,892
Total of new patients	689
Total number of admissions	226

PSYCHIATRY



K. A. YONGE, M.D.
Director

Due to the renovation program of the Hospital, one of our adult wards had to be temporarily moved elsewhere and the Children's Unit curtailed for several months. Despite this, with some loss of beds, we were able to maintain our in-patient service at its previous level. The total number of in-patients treated in the Department during the year was 1,025, a slight increase over last year. The average length of stay decreased to 19.7 as compared with 22.8 days for 1964. The number of electro-convulsive treatments was 1,507, about the same as last year. The number of insulin treatments was 241, a 20% increase over last year.

The Unit for Emotionally Disturbed Children, despite the necessary curtailment of the service due to the renovation program, cared for a total of 67 patients — a slight increase over last year — with an average length of stay of 24.6 days as compared with 28.1 for 1964.

In the Out-patient Department there were 725 investigative and treatment interviews.

During the year we had regretfully to accept the resignation of Dr. William Forster who had served so arduously as Associate Professor and occasionally as Deputy Director of the Department.

Through the psychological services a total of 412 patients underwent tests by psychologists. This involved a total of 1,534 separate psychological tests. Apart from the diagnostic testing a total of 175 psychologist hours were spent in therapeutic interviewing.

During the year, we were glad to acquire the services, first, of Mrs. Vivian Renner, M.A. and later, Mr. Francis Shen on our psychology staff.

While the activities of the medical social workers functioning in our Department are reported separately by the Social Service Department we were glad to have Miss Marie MacDonald promoted to the position of Supervisor. While, during the year, we lost the services of Mrs. Barrabash and Mrs. Molyneux, we were fortunate in gaining the services of Miss Penny Caie, M.S.W. and Mr. Walter Hoffman, M.S.W.

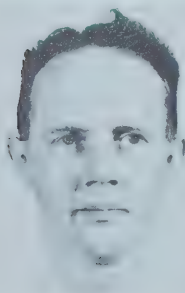
For the research activity of our Department we were fortunate in again obtaining financial support through a National Health grant. Mr. W. Muir and Mr. R. W. Nutter, as psychologists, have joined Dr. T. E. Weckowicz in the major project which is the study of various phenomena in stresses of depression.

The teaching of the medical students in their second, third and fourth years has continued as a prominent activity of this Department in the Hospital.

The number of residents as graduate students in our Department has increased this year to eight. Of the four of our graduate students who sat for the Certification examination of the Royal College of Physicians and Surgeons three were successful.

The nursing staff in the Department has again made a most commendable contribution to the psychiatric care of patients in this Hospital through their devoted and skilful service.

PHYSICAL MEDICINE AND REHABILITATION



M. T. F. CARPENDALE, M.D.
*Director—Physical
Medicine & Rehabilitation*

During the past year, Miss R. Woodhams has joined the Rehabilitation team as consultant psychologist.

Dr. Carpendale was invited as visiting professor on two occasions, in April to Yale University Medical School and in November to the University of Minnesota Medical School.

In August, Dr. Carpendale and Dr. Jimenez both showed exhibits at the American Congress of Physical Medicine & Rehabilitation at Philadelphia. In November, Dr. Carpendale was invited to participate in a seminar on Conjoint Family Therapy at the Esalen Institute in California. Dr. Jimenez helped organize a postgraduate seminar for physiotherapists on Lower Extremity Prosthetics which proved to be a great success in September.

Dr. Easton is also helping to improve the standard of prosthetic care and has during the past year attended courses for Lower Extremity Prosthetics and Management of Juvenile Amputees at Northwestern University in Chicago. In addition to this, she has also organized a teaching program including seminars and journal reading for residents and staff therapists which has been badly needed.

In August, Mr. Vic Messier, Research Fellow from Physical Education, presented his thesis entitled "The Effect of Repetitive Tetanic Stimulation on Muscle Strength and Fatigue in Healthy Subjects", and has subsequently been granted his M.Sc. in Physical Education on the basis of this thesis. This is the second thesis that has been completed in the Rehabilitation Department.

In October, we were honoured by Dr. Anthony Yates, Director of Physical Medicine at St. Thomas' Hospital, who came as visiting Professor for a week. He gave lectures on "The role of manipulation in back disorders" and also on "Electromyography in rheumatic disease", which were of great interest.

STATISTICS

	1965	1964
Physio and Hydro		
Total number of treatments given	100,166	88,851
Total number of patients treated	6,626	6,571
Remedial Exercise Section		
Total number of treatments given	24,490	22,611
Total number of patients treated	3,852	3,601
Occupational Therapy		
Total number of treatments given	19,986	16,603
Total number of patients treated	2,422	2,525
Combined Totals		
Total number of treatments given	144,642	128,165
Total number of patients treated	12,900	12,697

	1964	1965
Patients examined	43,541	45,559
Number of radiographic examinations	52,714	57,255
Number of fluoroscopic examinations	4,717	5,070
Number of arteriograms (total)	877	878
Number of catheter arteriograms	45	120
Number of isotope scans	347	536
Number of patients for deep therapy	178	41
Number of patients for superficial therapy	453	316

There was a particular increase in the number of catheter arteriograms and radioactive isotope scans. During the year a method of lung scanning using macro-aggregates of albumin tagged with Iodine-131 was introduced.

With such a small radiotherapy service patient care cannot be as adequate as is possible in the nearby Cancer Clinic and the Department has requested that its radiation therapy service be discontinued as soon as satisfactory alternative arrangements can be made.

Dr. F. McConnell, Associate Radiologist at the Montreal General, became director of the Department of Radiology replacing Dr. H. E. Duggan who resigned in June to become Director of Radiology at the Foothills Hospital in Calgary.

The investigative activity of the staff has been maintained with a number of presentations, and with Dr. C. E. Holmes, Dr. J. D. R. Miller, Dr. L. B. Costopoulos, and Mrs. D. L. Weijer, M.Sc., being author or coauthor of six papers published in scientific journals in 1965.

The number of students accepted each year for training as Radiological Technicians was increased to ten in July, 1965. Eight of our final year students obtained their R.T. Diploma by examination in 1965.

There has been a smaller than usual increase in the volume of work over that of previous years, as shown in the following table:

	1961	1962	1963	1964	1965	Increase over 1964
Total Anaesthetics						
Administered ----	9,522	9,746	10,798	11,665	12,051	386
Elective	8,131	8,286	9,151	9,956	10,171	215
Emergent	1,391	1,460	1,647	1,709	1,880	171
Average Anaesthetic Time (Minutes) --	80.2	78.0	75.6	77.6	75.2	

There appeared to be a more efficient utilization of the operating rooms. This may have been, in part at least, due to the use of the geographical distribution of surgical beds. The reopening of the renovated surgical wards does not seem to have affected the volume of work significantly.

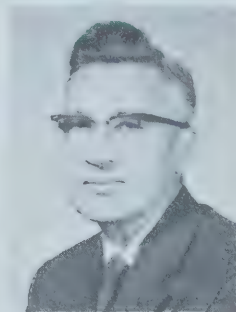
The increase in hours of surgery over 1964 was 464 hours, which on the basis of 10 operating rooms represents less than one-third of an operating room at the present rate of utilization which is still far from maximum.

RADIOLOGY



FLEMING McCONNELL, M.D.,
Director—Department
of Radiology.

ANAESTHESIA



E. A. GAIN, M.D.
Director,
Department of Anaesthesia

The graduate training program has been a very busy and successful one during the year, with a full quota of house staff. Drs. Welsh and Walker completed their training and their certification examinations. Unfortunately for the House Staff year of 1966-67 there are at present only two applicants, which is a disappointment as the need for anaesthetists in this province exceeds by far the numbers in training.

During the year 1966, three staff members, Drs. Drummond, Williams and Soltice will be leaving the department to take positions on the staff of the Foothills Hospital in Calgary. Replacement of these staff members will be very difficult and may create hardships for some time.

The department carried out an active teaching program for general practitioners, who spent varying periods doing refresher study in the department. We hope to see this aspect of our teaching expand.

PATHOLOGY



DR. J. W. MacGREGOR
*Director—Department
of Pathology*

The Department of Pathology had a busy year marked by an increase in service functions — particularly in the area of frozen section diagnosis in the operating room.

SURGICAL PATHOLOGY

During the year 1965, the department members reported upon 7,936 surgical specimens of which 826 were malignant (10.4%). The malignant tumors cover a wide variety of sites of which the more common are skin, lung, large intestine, stomach, prostate gland, female breast and uterus.

FROZEN SECTION DIAGNOSIS

There was a further large increase in the rapid method of diagnosis in the operating room using the Cryostat, and members of the staff were in attendance on over 450 occasions as compared with 306 occasions during the previous year. The introduction of the Cryostat for the purpose of frozen section diagnosis has now completely supplanted older methods, and is regarded by all members of the department as indispensable.

AUTOPSY SERVICE

Autopsies were performed on 431 cases during the year (70.7% of deaths). The autopsy continues to serve a very useful purpose, in case studies, and in the teaching of Pathology at both undergraduate and graduate levels. The autopsy is also the source of many clinico-pathological conferences held in various departments during the course of the year.

CYTOLOGY SERVICE

The Cytology services in the hospital, under the direction of Dr. T. A. Kasper, continued at about the same level as the previous year. Smears, mostly from the cervix were examined in 1,173 cases. In this group 8 positive cases were discovered as well as 20 suspicious cases which are being studied further.

A special interest in gastric washings has been taken resulting in the discovery of positive cases. It is hoped that refinements in present techniques may ultimately lead to a wider use of Cytology in the recognition of gastric malignancy.

STAFF:

Dr. Bruce Mielke, who received his training in the Department of Pathology, University of Alberta, was successful in the Fellowship Examination of the Royal College of Physicians and Surgeons of Canada in Pathology. Dr. Mielke will leave in July, 1966, to spend a year in Neuropathology in Baltimore, after which he will return as a full time member of the staff.

During the past year, Dr. Amir Mehregan of Detroit has been with the Department of Pathology, in the field of Dermatopathology. Dr. Mehregan made a notable contribution during his year with the department in both service and teaching activities. Dr. Mehregan will resume his association with Dr. Pincus in Detroit as of July 1st, 1966.

Dr. David Ashford has completed the four year training programme in Pathology, and is ready to write the examinations of the Royal College of Physicians and Surgeons of Canada for Certification and/or Fellowship in Pathology next fall.

OTHER ACTIVITIES

Members of the Department of Pathology are active in teaching as well as service activities of the hospital, at both graduate and undergraduate levels.

Resident trainees from other departments including Surgery, Medicine, Obstetrics and Gynaecology, Urology and Orthopaedics, received six month periods of training in the Department of Pathology during the year.

CLINICAL LABORATORY SERVICES



R. E. BELL, M.D.
*Director—Department
of Clinical Laboratories*

The total units of work done in the laboratory as a whole increased 11% over the previous year, with an increase of 24% in the chemistry division. Owing to a lack of trained staff the service in haematology had to be restricted for five months and this is reflected in the statistics. The experience in increasing work load in our laboratory is similar to that reported by most other large hospitals with the work load increasing by 10 to 20% per year. The implementation of the diagnostic services act in the form it was finally introduced did not appear to affect the trend in out-patient work during the five months of its operation.

Our hope of placing several of the procedures in haematology on an automated basis were not realized owing to difficulties in obtaining the required equipment. The amount of blood used was less than the previous year partly due to a change in technique in open heart surgery requiring less blood for pump priming, and partly due to improved use of blood by the clinical staff. There is an increase in use of the immuno-haematology techniques and in total blood cross matched. The amount of blood that is returned unused because of age is less than 6%.

In the chemistry division the methods for plasma thyroxine by immunoassay, L.D.H. isoenzymes, blood lactic and pyruvic acids were set up, and improvements made in several other procedures. The urinalysis routine was revised to increase the effectiveness of the techniques and improve work flow. Development of other procedures that should be available has been held up to some degree by staff shortage, however, this is being resolved. A reagent preparation area, including facilities for freeze drying specimens, was set up to centralize the preparation of our own reagents and control sera wherever possible. This offers economies in operation as well as improved teaching in this area.

During the year the system for procurement and handling of specimens, and the laboratory reports was completely revised consolidating much of this into one area. This has resulted in more efficient use of the technical staff. The recording of laboratory data and reporting results is a time consuming process that requires more study to effect improvements.

In the radioisotope laboratory the procedures for scintiscanning that are being developed by the staff of the Department of Radiology have been significant in the way of new development. New tracer studies using radio actively labelled compounds in measurement of renal function are being investigated. There is an increasing use of radioisotope as analytical tracers in procedures in both haematology and chemistry. With increasing availability of radio actively tagged compounds more use of them in various laboratory analyses will be made because of unique advantages these techniques have.

There is a nation wide shortage of physicians qualified in laboratory medicine and a graduate training committee made up of the heads of the University Departments of Pathology and Microbiology and the Director of the Hospital Laboratory Department was established to organize a joint programme of training in the field of laboratory medicine. This committee will also endeavour to interest more medical graduates in a laboratory career. Far too few students are in training in Pathology and during the past year only one completed his training in Clinical Pathology. In the department two graduate students under the supervision of Dr. D. J. Campbell and one under Dr. H. B. Collier are working towards higher degrees in Clinical Chemistry. The department has continued its technologist training programme with the Northern Alberta Institute of Technology, graduating fifteen students during the year. The coming year will see the Medical Laboratory Science students in the hospital laboratory for a full apprenticeship year, however, it is two years before the first graduates of the revised programme will be available. The staff have also carried the greatest amount of the teaching in a post graduate evening course programme sponsored by the local technologist society.

Qualified technical staff are also very scarce. The laboratory has been operating with several senior positions filled by technologists not adequately qualified for their level of responsibility. Qualified and experienced staff are in great demand across the country and in the United States. Until our training programmes, already limited because of space, can be increased this will be a chronic problem.

Additional office space for instructors in Medical Laboratory Science and Technology is required to conduct an effective teaching programme. We have begun utilizing corridor space for specimen handling and record processing. Plans are being developed by Dr. H. E. Bell for an admission screening programme based on selected haemological and biochemical procedures. This is an area of growing significance which merits considerable study for which we are well set up to do through our present system of data processing. This is only one of several developments in laboratory medicine that will require attention and will need space in the near future.

	1963		1964		1965	
	Tests	Units	Tests	Units	Tests	Units
Clinical Chemistry -----	167,000	517,124	178,000	557,120	195,350	690,745
Haematology -----	216,915	315,177	235,594	350,276	211,132	321,652
Blood Bank & Immunohaematology -----	18,427	98,227	25,726	141,243	29,786	151,005
E.C.G. -----	8,427	33,788	9,491	37,964	11,071	44,584
E.E.G. -----	2,512	30,144	2,611	31,332	2,747	32,612
Hospital Hygiene -----	—	—	4,975	17,110	5,680	19,312
Miscellaneous -----	2,137	2,696	2,016	3,133	1,585	3,359
Procurement and Handling of Specimens --					60,000*	161,239
Total Tests and Units						
(out-patient tests in brackets) -----	415,418 (73,100)	997,156	458,413 (79,851)	1,138,179	517,351 (79,679)	1,424,508
Radioisotope Lab.						
Total Diagnostic Procedures -----	2,816	29,117	2,081	27,006	2,616	35,497
Bacteriology Serology -----	—	344,441	51,740	393,788	56,790	458,750
Blood Transfusion—						
Patients Cross Matched -----	2,837	—	4,966	—	4,320	—
Patients Transfused -----	—	—	—	—	2,462	—
Bottles Used -----	8,770	—	9,606	—	8,795	—

*Estimated on basis of each visit to patient equal to one test.

SPECIAL SERVICES AND RESEARCH COMMITTEE



DR. W. C. MacKENZIE
Chairman

The year has been one in which there has been a levelling off in the development of new services because of the lack of space in which to carry them out. Furthermore, many of the diagnostic and treatment services that were initiated and developed through this committee have now reached the stage of being recognized as regular patient service, and while they no longer require financial support from the committee, they do continue to require space to carry out these services. Space is thus the major obstacle at the present time in the initiation of new services and this will continue to be a problem until the clinical, teaching and research building is completed.

All departments have been active in their research activities and over \$100,000.00 was received from outside granting agencies for support of research, and special projects. A careful evaluation of clinical research policy was made to establish principles that would ensure that the rights of patients and others participating in research studies would be fully protected at all times. The committee received invaluable assistance from Dr. W. Bowker, Dean of Law of the University of Alberta in drawing up appropriate regulations governing these activities.

In the peripheral vascular clinic of the Department of Surgery, 370 patients, including 102 new patients, were seen and studied under the direction of Dr. H. G. T. Williams. Therapeutic trials of the effects of new drugs on vascular disease is part of the continuing programme of this unit.

Support was given to Dr. D. I. Buchanan in the special blood transfusion unit to continue his studies of leucocyte blood groups. These studies are directed towards the identification of the blood group characteristics of leucocytes which are now believed to have hereditary characteristics analogous to the blood groups of the erythrocytes. This work is being done in collaboration with research workers in France, The Netherlands and the United States.

Financial support of a technician to work on various short term research projects was again provided by the committee. This has made it possible for members of the staff, whose requirement for technical assistance for research purposes is not sufficient to require a full-time technologist, to share the time of one trained and supervised technician. This technician provided assistance in connection with seven different projects.

While open heart surgery is now a regular service, research involving the long term follow-up of patients after these operations has continued to receive help from the committee. Exceptionally complete records and studies of a large number of patients have been accumulated and now are being studied in detail by Dr. R. S. Fraser.

In the pulmonary function unit, two physicians working under the direction of Dr. Sproule completed research studies in pulmonary function and these studies will form in part the basis of their theses for the Masters degree in medicine.

The metabolic unit receives its major support from the Medical Research Council. This is however, supplemented by the committee. The work of the unit included among other things, studies of the metabolic problems of patients undergoing long term renal dialysis, an area of investigation that offers unusual research opportunities. Further details of the work of this unit are included in the Department of Medicine report.

During the year the committee lost the services of Dr. J. D. Wallace and Dr. W. Paul, who left the University Hospital to take up positions at the Toronto General Hospital and University of Toronto respectively. Dr. Wallace in his position as Executive Director of the Hospital did much to maintain the excellent relationship of the committee and the Hospital administration. Dr. Paul served as chairman of the Sub-committee on Research Applications and as an experienced investigator contributed a great deal to the work of the committee.

DENTAL DEPARTMENT

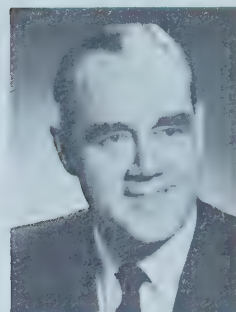
Report for year ending December, 1965

Total number of patient visits	1016
Total number of patients treated	681
Oral surgery cases under local anaesthetic	96
Oral surgery cases under general anaesthetic	101
Consultations	238
Examinations	426
Prophylaxis	92
Topical Fluoride treatment	54
Dental restorations	382
Intraoral x-ray exposures	3240
Periodontal treatments	14
Orthodontic appliances	4
Orthodontic and denture adjustments	6
Denture repairs	16
Intraoral impressions	15
Miscellaneous treatments	190
Restorative cases under general anaesthetic	28

A large percentage of the above services were rendered to children with chronic illness. With the cooperation of the Department of Anaesthesiology a number of these cases were done under general anaesthesia. An appreciable amount of treatment is being rendered by undergraduate students from the Faculty of Dentistry on "block assignments". The Dental Intern assisted in the above volume of services for the first eight months.

A research project "The Study of Tooth Eruption in Children from Infancy to Three Years" is continuing under the support of a National Health and Welfare Grant.

DENTISTRY



H. R. MacLEAN, D.D.S.
Director—Department
of Dentistry

OUT-PATIENT DEPARTMENT

	1961	1964	1965
Total Patient Visits	18,870	27,000	28,241
Total Patients	4,869	6,017	6,259
New Patients	2,825	2,357	2,320

EMERGENCY DEPARTMENT

	1961	1964	1965
Total Patient Visits	29,157	35,606	38,201
Total New Patients	18,791	26,453	27,311
Total Out-patients	24,431	30,434	31,353
Admissions	2,995	3,569	4,075
In-patients	914	1,031	1,305
Staff	1,180	575	903

Plaster Room

Out-patients	1,707	2,645	2,937
In-patients	537	511	502
Totals:	2,244	3,156	3,439

The table shows the visits to the Out-patient Department for the years 1961 (the first full year in the present facility), 1964 and 1965. The average annual increase for the four year period is about 12%, whereas the increase last year was only 4.5%.

Our patients averaged about 4.5 visits to the clinic during the year. It is interesting that there was an average of one prescription per visit and each patient received 4.5 prescriptions during the year. The retail value of the average prescription is \$3.45, and if we use this figure it follows that each O.P.D. patient received about \$16.00 worth of medicine during the year.

EMERGENCY DEPARTMENT

The accompanying table shows the patient visits for 1961 (the first full year in the present facility), 1964 and 1965 for both the Emergency Department and the Plaster Room. The yearly increase averages about eight percent. The rate of admission of those seen in the Emergency Department remains remarkably constant at about 10%. Details of the reasons for the visits to the Emergency Department have not been kept.

OUT-PATIENT AND EMERGENCY



A. S. LITTLE, M.D.
Director—Out-Patient &
Emergency Department

SOCIAL SERVICE DEPARTMENT



MR. H. DOXEE, M.S.S.
Acting Director

A continuing increase during 1965 in the utilization of the Social Service Department was evident. The number of requests for service directed to the Social Service Department in 1965 revealed an increase of almost 11% when compared with the 1964 total requests for service. Correspondingly, there was an increase of almost 11% in the total number of interviews by the professional staff during 1965.

Hopefully, these increases reflect an increase in understanding of the function and value of the Social Service Department as part of the overall service provided by the hospital to its patients. Essentially, the function of the Social Service Department in this hospital is to deal effectively with the patient's social, environmental and emotional problems which are related to his illness and medical care, and which frequently retard his recovery and delay his return to productive life in the community.

The professional staff of the Social Service Department participated in a total of 1,401 case conferences, departmental rounds, meetings, seminars and lectures in the hospital during 1965.

Formal teaching by members of the professional staff to interns, residents, medical students, graduate and student nurses totalled over 70 hours in 1965 (an increase of 40% over 1964).

During 1965 there were several staff changes in the Social Service Department. Two original members of the staff when the Social Service Department was established in 1961, Mrs. M. Barabash and Mrs. I. E. Molyneux, resigned in the summer to take positions in other agencies in the community, while Miss Ailsa Walker, who had provided service in the Out-Patient Department for two years, left the department in August to attend the University of British Columbia School of Social Work where she is completing the Master's Degree in Social Work. We were most fortunate to have join the permanent staff the two social workers who joined us in June as summer replacements: Miss P. Caie, M.S.W., who graduated this year from McGill University, and Miss M. J. Bryan, B.S.W., a 1965 graduate from the University of Toronto. Miss Bryan is planning to return to the School of Social Work at the University of Toronto to complete her work for the Master's Degree in social work.

In November 1965 Mr. Walter P. Hoffmann joined our staff as a social caseworker in adult psychiatry. Mr. Hoffmann graduated from the University of British Columbia this year with the M.S.W. degree.

Number of bedside contacts with patients	1312
Number of consultations	961
Number of counselling interviews	186
Number of Chapel Service contacts	2000
	4459

CHAPLAINCY SERVICE



REV. R. K. DOUGAN
Hospital Chaplain

In order to give a more accurate picture of total chaplaincy services during 1965 statistics submitted by the Rev. W. A. Champness, Visiting Chaplain for Anglican patients; the Rev. L. J. Bonner, Visiting Chaplain for Roman Catholic patients; the Rev. E. O. Walker, Visiting Chaplain for Lutheran patients are added. Father Bonner makes brief pre-surgical visits on Roman Catholic patients every morning. He also has post-operative contacts with many of these patients. Chaplain Champness and Chaplain Walker visit patients of their respective denominations on an average of twice a week. When their contacts with patients are added to mine the total is approximately 11,921.

A marked increase was noted in counselling to students, out-patients, and hospital personnel. While in 1964 formal counselling interviews amounted to 117 hours, in 1965 they totalled 186 hours.

Pastoral care of patients and their families continues to be a major emphasis of the chaplaincy program.

55% of the patients visited during 1965 were affiliated with the United Church, 45% were associated with other denominations. 54% of them were out-of-town patients, while 46% were from the city of Edmonton.

Services of worship were held in the Hospital Chapel every Sunday at 10 a.m. during 1965.

In addition to the chapel services for Protestant patients, 54 Sunday and special services were held in the Mewburn auditorium for Roman Catholic patients. The average attendance was about 65. 42 Communion services for Anglican patients were held in the Chapel on Saturday mornings. This means that a total of 150 religious services were conducted by the Resident Chaplain and two Visiting Chaplains.

There was a significant increase in consultation interviews with ministers, doctors, nurses, social workers and other hospital personnel during 1965. In 1964 there were 658 such interviews—in 1965 they numbered 961.

Two senior nursing officers retired this year.

Miss Jean Lees, Associate Director of Nursing Service for the past twenty-seven years, retired on March 31, 1965.

Miss E. Greig, Evening and Night Supervisor, retired on September 30, 1965 after 40 years of service.

The past year has been one of change and reorganization in the Nursing Department. Any concept of change always brings forth new ideas, new thought and, indeed, new approaches to activities, and so it has been in Nursing.

The organization of the Department of Nursing was studied in detail, and several positions and titles within the organization were changed.

An active inservice education programme for all categories of nursing personnel has continued on a monthly basis. Cardiac arrest wagons, or crash wagons, are located in three areas within the hospital, and the institution of the One-One-One emergency call is helpful and functioning well.

Two nursing units under renovation were opened, and the staffing requirements were met satisfactorily.

NURSING SERVICE

Miss Grace Johnston, a graduate of St. Paul's Hospital, Saskatoon, with a Bachelor of Science in Nursing from Western Reserve, Cleveland, was appointed Director of Nursing Service, replacing Miss Lees.

Mrs. Alice Woods, a graduate of the Saskatoon City Hospital, with a Bachelor of Nursing in Nursing Administration from McGill University, was appointed Afternoon and Evening Supervisor, replacing Miss Greig.

The tape recorder was initiated as a means of communicating pertinent patient information to the nursing supervisors in the Nursing Service Office on all periods of duty.

Nursing Service coverage for weekends was studied, and improvement has been made by providing better supervision over this period of duty.

An orientation programme for clinical instructors and all supervisors, was initiated through the Nursing Service Office, to improve the correlation of service and education.

Special committees in Nursing Service were very active this year.

(1) The Forms Committee has reviewed the Forms Manual and updated numerous forms as well as instituting new ones.

(2) The Special Procedure Committee has revised the entire Procedure Manual.

(3) The Policy Committee continues to study and revise the hospital Policy Manual.

(4) Two Special Task Committees were set up to study

(a) the Child Psychiatric Unit

(b) the Cardio-Vascular Monitoring System.

The Staff Nurses' Association was organized. The staff nurses continue to be a very active group, and this has been a means of improving communication between the nursing personnel, Nursing Administration, and Hospital Administration.

Nursing Service Complement

The Nursing Service complement for the nursing units was maintained well throughout 1965. For the first time in many years, coverage for the summer vacation period was not a problem.

There was an increase of 10,144 hours of nursing care rendered in 1965 to patients requiring intensive care.

Eighteen ward aides were transferred into the Housekeeping Department in the Mewburn Pavilion.

Four general duty nurses are on loan for medical research projects.

Surgical Nursing Services

The work load in the Operating Room and the Recovery Room increased considerably over the year with no increase in staffing. The inservice programme for operating room assistants was repeated, with six certified nursing aides enrolled in the course.

Changes within the department have been numerous. New equipment was installed. There have been changes in supplies, and in technique, as well as in rotation of staff to benefit the department, all of which has provided improved patient care.

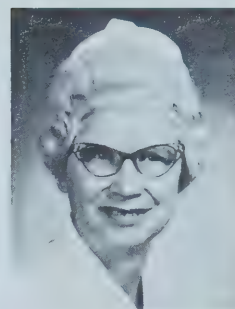
The Nursing Reserve

The Nursing Reserve Association continues to be very active.

Forty-one members completed the third course of instruction and orientation. Of these there are still thirty-five members active in the Association.

The Nursing Reserve members have provided the equivalent of 25 full-time graduate nurses to nursing service areas. There were 13,944 hours rendered to patients requiring intensive care.

NURSING



MISS M. G. PURCELL
Director of Nursing



MISS G. JOHNSTON
Director of Nursing Service

Comparative Report

	1963	1964	1965
Members on duty full time	4	5	9
Members on duty, out-patient department	3	3	3
Members on duty regularly part time	8	4	6
Members on duty full time, holiday relief	41	62	51
Members reporting for relief posting	36	74	81
The full total of eight hour periods given in service	2,530	4,998	5,685
This equated as full time staff	11	22	25
Active members in the Nursing Reserve organization			31
Total		76	107

The Victorian Order of Nurses

The Victorian Order of Nurses Referral Programme in the University Hospital is just in its second year. It is encouraging to note the number of referrals have increased by sixty over the past year. It is reported that the Obstetrical and Paediatric referrals have doubled, and the Surgical referrals have increased slightly. However, the Medical and Orthopaedic referrals have decreased. One might attribute the decrease to the availability of Nursing Home beds, combined with the trend to care for the elderly patient in an institution rather than the home, and to the extensive use of the Glenrose Hospital for patients requiring further periods of rehabilitative nursing.

During 1965, the total number of referrals was 314. Of these, 280 were referred to the Victorian Order of Nurses for care.

NURSING EDUCATION

The clinical teaching staff was increased by four instructors in the clinical nursing areas. These included Obstetrics, the Mewburn Pavilion, Psychiatry, and Gynaecology.

Graduation Exercises were held.

April 13	27 graduated
October 18	75 graduated
Total	102 graduated

	1962	1963	1964	1965
January class	36	46	66	63
September class	93	102	114	114
Total	129	148	180	177



MISS M. R. THOMPSON
Director
Nursing Education

Clinical experience was provided in the Out-Patient Department for the students of the Royal Alexandra Hospital School of Nursing, and in Paediatrics and Obstetrics for the students from the Archer Memorial Hospital School of Nursing, Lamont.

Field work experience was provided for nine students from the University of Alberta School of Nursing, and the University of Saskatchewan School of Nursing.

As in previous years, field work experience was provided also for students registered in the Advanced Practical Obstetrics course, the Premature Nursery course, and in Public Health Nursing, at the University of Alberta School of Nursing.

The five day week for student nurses was approved in principle and it was instituted during the year in areas of the preclinical programme, the junior block programme, and in concurrent teaching programme areas — Obstetrics, Paediatrics, and Psychiatry, as well as in the Operating Room.

Student Nurse Activities

Varsity Guest Weekend was held on February 19. As usual, the students prepared an excellent display.

The students have actively participated in the Student Nurses' Association. Miss Sylvia Fyfe of the University School of Nursing is the President of the Student Nurses' Association for 1965-66.

A successful Exchange Weekend with Saskatchewan was held in July, with the Saskatchewan University School of Nursing students coming to the University Hospital School of Nursing.

A powder-puff football game was arranged between the University Hospital nurses and the Royal Alexandra Hospital nurses, with members of the Golden Bears acting as coaches. The score—the University Hospital (12)—the Royal Alexandra Hospital (9).

The athletic group of the Macleod Club won the trophy for basketball at the Inter-School Athletic Meet.

A successful song competition was held by the students in the fall of 1965, when each class presented a suggested school song.

Twelve students attended the Student Nurses' Association Convention in conjunction with the Alberta Association of Registered Nurses' Annual Meeting in Jasper, during the month of May.

The Nursing Advisory Board

The Nursing Advisory Board has held seven executive meetings and two general meetings. The Nursing Advisory Board have approved that the affiliation for the University Hospital nursing students at the Aberhart Memorial Hospital be reduced to one or two weeks or, if it seems feasible, be discontinued. A decision on this recommendation has not yet been made.

The students have been granted permission to marry any time during their nursing course, at the discretion of the Nursing Administration.

Nursing Student Health Service Report

	1963	1964	1965
Nursing students on sick parade -----	1,727	1,946	2,261
Number of hospitalized days -----	699	515	641
Number of days lost due to illness -----	1,235	1,000	2,571
Total number of days lost -----	1,934	1,515	3,212

The Student Health programme was thoroughly studied for a period of six months. A recommendation has come forward for a second Public Health Nurse to be provided for the Student Health Services, and for the area in the students' residence known as the "Students' Sick Bay" to be re-opened for the use of students who are ill in the residence. These recommendations will go into effect early in 1966.

The activity of the Pharmacy Therapeutic Committee together with that of the Joint Pharmacy Therapeutic Committee is being carried out as in the past. The "Drug Reporter" is being published at regular intervals as a means of disseminating drug information to Doctors, Housestaff and Nurses of this hospital. The Pharmacy Therapeutic Committee is concerned with the reporting of Adverse Drug Reactions and of establishing an information center which would in effect reflect a greater saving to this hospital by view of the fact that both Clinical Staff and the House Residents would more economically utilize the drugs that are at their disposal.

Instructions to the two Graduate Students that have entered our Hospital Pharmacy Residency Program is progressing on schedule.

The Out-Patient Pharmacy in the Clinical Services Wing of the hospital continues to care for Out-Patients, Cancer Clinic Patients and staff prescription requirements.

The provision of pharmaceutical services in the Student Health Service of the University Infirmary is continued on a half-day basis. The workload in this area has reached a high of 100 prescriptions per day.

The number of insulin shipments made by this hospital on behalf of the Department of Health amounts to 4690 packages and in the Cystic Fibrotic program the department has issued 680 shipments in 1965.

	1962	1963	1964	1965
DRUGS -----	\$144,529.57	\$158,694.23	\$193,451.26	\$201,179.68
CASE ROOM -----	4,323.22	3,972.84	5,573.88	6,488.53
OPERATING ROOM -----	41,302.37	45,669.66	55,951.76	49,057.67
O.P.D. -----	35,008.58	34,649.37	45,929.94	43,577.37
X-RAY -----	10,778.81	11,123.41	14,346.45	16,738.25
CYSTOSCOPY -----	7,325.42	8,211.31	8,506.40	8,765.84
DIET KITCHENS -----	1,535.28	2,487.02	3,243.49	2,321.99
LABORATORIES -----	21,654.27	20,001.36	31,390.40	31,605.85
SPECIAL SERVICE LABS. --	11,120.40	20,010.08	24,611.80	28,742.17
EMERGENCY -----	6,567.86	8,604.37	10,316.28	12,669.67
SMALL DEPARTMENTS ----	4,144.51	2,212.69	1,580.23	2,810.01
LIQUOR PURCHASES -----	3,469.70	3,309.90	2,513.10	2,405.20
CENTRAL SUPPLY ROOM --	5,505.61	6,360.41	7,288.53	6,603.07
HEALTH SERVICE -----	4,115.96	3,392.14	4,259.02	4,565.79
CARDIAC RECOVERY ROOM	134.95	148.85	179.44	178.49
CARDIO-VASCULAR SURGERY	672.05	871.04	169.21	1,243.70
PREMATURE NURSERIES --	585.74	757.46	585.87	1,062.46
TEACHING DEPARTMENT --	234.72	85.95	127.76	362.55
	<u>\$303,008.82</u>	<u>\$330,562.09</u>	<u>\$410,024.32</u>	<u>\$470,378.29</u>

DEPARTMENT OF PHARMACY



W. W. MADAY, B.Sc.
Director of
Pharmaceutical Services

PHARMACY STOCK INVENTORY -----	\$ 91,394.68	\$ 79,215.27	\$ 74,285.51	\$ 72,740.34
PHARMACY STOCK TURNOVER	3.3	4.2	5.5	5.7
PHARMACY PRESCRIPTIONS	129,382	151,122	173,805	173,899
FLOOR REQUISITIONS ----	12,712	17,752	21,205	21,420
SMALL DEPARTMENTS ----	8,472	14,200	15,250	16,315
NARCOTIC AND BARBITURATE REQUISITIONS -----	12,108	13,356	29,388	33,112
ITEMS PREPACKAGED -----	192	1,365	1,642	1,635
ITEMS MANUFACTURED ---	781	1,194	1,638	2,447
PHARMACY DAILY AVERAGE	815	970	1,055	1,082

OUT-PATIENT DEPARTMENT PHARMACY

O.P.D. PHARMACY STOCK INVENTORY -----	—	6,372.30	7,596.29	10,252.46
OUT-PATIENT PRESCRIPTIONS	32,016	32,990	34,626	29,738
STAFF PRESCRIPTIONS ---	5,285	5,387	6,239	6,265
O.P.D. PHARMACY DAILY AVERAGE -----	—	150	168	157

WOMEN'S AUXILIARY



MRS. R. S. FRASER

The Auxiliary has had another successful year and has continued to provide volunteer services in the hospital. During 1965, 308 volunteers worked 14,114 hours. These include admitting office, baby pictures, flower booth, gift cart, driving, library, out-patient clinic, pharmacy, pediatrics, polio, Red Cross sewing room and X-ray escort service.

Mrs. Jeanne Rymal has continued to serve as Director of Volunteer Services. As of June 1965 Mrs. Glenn White became Assistant to the Director on a part-time basis.

Money raising projects continued to be a financial success. Baby pictures realized \$1,162.40, the flower booth \$950.00, the gift cart \$884.86 and from our Annual Charity Ball \$2,394.73.

Our new project is a gift shop which will be situated in the main lobby of the hospital.

DEPARTMENT OF DIETETIC SERVICES

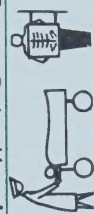
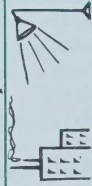
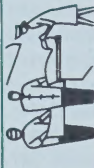


MISS I. TORRINGTON
Director of Dietetics

Comparative Meal Counts, Food Costs 1963 — 1965

MEAL DAY COUNT	1963	1964	1965
Staff -----	183,433	200,961	211,199
Patients -----	320,556	314,121	319,566
TOTAL MEAL DAYS -----	503,989	515,082	530,765
RAW FOOD COST -----	\$473,372.84	\$487,327.31	\$503,134.28
AVERAGE RAW FOOD COST PER MEAL DAY -----	93.94¢	94.61¢	94.79¢

A TYPICAL DAY IN THE HOSPITAL
AVERAGE DAILY OCCUPANCY—921 PATIENTS

6	DELIVERIES		PROVINCIAL LABORATORY TESTS (UNITS)	1,474
224	X-RAY EXAMINATIONS		HOSPITAL LABORATORY TESTS (UNITS)	3,461
391	REHABILITATION TREATMENTS		BLOOD TRANSFUSIONS	10
90	EMERGENCY PATIENTS		X-RAY FILMS	855
1,062	PHARMACY SERVICES		ANAESTHETICS	48
41,717	CU. FT. OF WATER		MEALS SERVED COST OF FOOD	4,328 \$1,335
595,638	LBS. OF STEAM		ELECTRIC KW HOURS	25,255
46	OPERATIONS		CENTRAL SUPPLY SERVICES	9,098
1,709 EMPLOYEES	TOTAL PERSONNEL 2,388		LBS. OF LAUNDRY PROCESSED PER PATIENT	18,670 20.27
481 STUDENTS	UNIVERSITY OF ALBERTA HOSPITAL			655 OUT-PATIENT VISITS
198 MEDICAL STAFF	67.5 ADMISSIONS		66.0 DISCHARGES	

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